

**NATIONAL INSTITUTE ON AGING**

<b>Grant No</b>	<b>PI</b>	<b>Title</b>	<b>Institution</b>	<b>Funding</b>
3 R01 AG18199	Abel, Edwin	Sleep Memory: A Molecular And Genetic Analysis	University Of Pennsylvania	\$115,705
5 R01 AG18199	Abel, Edwin	Sleep Memory: A Molecular And Genetic Analysis	University Of Pennsylvania	\$235,806
5 R29 AG13885	Alessi, Cathy	Environmental Interventions On Sleep In The Nursing Home	University Of California Los Angeles	\$89,460
2 R44 AG15789	Alsten, Christopher	High Tech/Low Cost Home Treatment For Geriatric Insomnia	Inner Health, Inc.	\$623,375
3 R44 AG15789	Alsten, Christopher	High Tech/Low Cost Home Treatment For Geriatric Insomnia	Inner Health, Inc.	\$39,060
2 R01 AG08415	Ancoli-Israel, Sonia	Cognitive Benefits Of Treating Sleep Apnea In Dementia	University Of California San Diego	\$276,870
1 R01 AG18760	Behan, Mary	Age,Gender, Serotonin And Respiratory Control	University Of Wisconsin Madison	\$246,986
5 K01 AG00810	Benloucif, Susan	Sleep/Wake Rhythms In Aging--Treatment With Nimodipine	Northwestern University	\$102,195
5 K24 AG00972	Buyse, Daniel	Rational Pharmacotherapy Of Primary Insomnia	University Of Pittsburgh At Pittsburgh	\$98,853
5 R01 AG16303	Carley, David	Neurobiology Of Sleep Apnea In Aging	University Of Illinois At Chicago	\$313,883
5 R01 AG04307	Chase, Michael	Sleep Mechanisms In The Aged Cat	University Of California Los Angeles	\$408,135
1 R01 AG19186	Cole, Philip	Serotonin N Acetyltransferase Mechanism And Inhibition	Johns Hopkins University	\$163,625
5 R01 AG17431	Connell, Bettye	Environmental Interventions To Reduce Nh Noise At Night	Emory University	\$372,855
5 R01 AG06072	Czeisler, Charles	Disrupted Sleep In The Elderly--Circadian Etiology	Brigham And Women's Hospital	\$453,502
5 P01 AG09975	Czeisler, Charles	Sleep, Aging And Circadian Rhythm Disorders	Brigham And Women's Hospital	\$1,179,224
5 R01 AG16362	Earley, Christopher	Determining The Genetics Of Restless Legs Syndrome	Johns Hopkins University	\$396,720
3 P01 AG14359	Gambetti, Pierluigi	Pathogenetic Mechanisms Of Prion Diseases	Case Western Reserve University	\$74,625
5 P01 AG14359	Gambetti, Pierluigi	Pathogenetic Mechanisms Of Prion Diseases	Case Western Reserve University	\$679,383
5 K23 AG01021	Gooneratne, Nalaka	Role Of Melatonin In Secondary Insomnia In The Elderly	University Of Pennsylvania	\$134,732
3 R01 AG12364	Kripke, Daniel	Illumination In Human Aging: Sleep And Mood Effects	University Of California San Diego	\$139,804
5 R01 AG12364	Kripke, Daniel	Illumination In Human Aging: Sleep And Mood Effects	University Of California San Diego	\$305,675
5 R01 AG15763	Kripke, Daniel	Verification Of Circadian Abnormalities In Aging	University Of California San Diego	\$444,701
5 R01 AG14738	Lichstein, Kenneth	Treatment Of Hypnotic Dependence In Older Adults	University Of Memphis	\$409,951
5 R01 AG15347	Manev, Hari	Aging And Neuronal 5 Lipoxygenase	University Of Illinois At Chicago	\$83,333
5 R01 AG15357	Moe, Karen	Sleep In Older Women--Effects Of Estrogen	University Of Washington	\$206,980
2 R01 AG13396	Monk, Timothy	Phase Shift Tolerance In Older People	University Of Pittsburgh At Pittsburgh	\$244,125
5 R01 AG15136	Monk, Timothy	Siesta Naps In Older People	University Of Pittsburgh At Pittsburgh	\$201,212
5 R01 AG12112	Murphy, Patricia	Homeostatic Factors In Age Related Sleep Disturbance	Weill Medical College Of Cornell Univ	\$294,800
5 R01 AG15370	Murphy, Patricia	Sex Hormones Sleep And Circadian Rhythmicity In Aging	Weill Medical College Of Cornell Univ	\$206,817
5 R01 AG17430	Ouslander, Joseph	Transferring Behav Research Into Nursing Home Practice	Emory University	\$558,803
5 T32 AG00256	Pack, Allan	MD/PhD Program In Sleep And Chronobiology	University Of Pennsylvania	\$397,790
5 R01 AG14155	Pack, Allan	Case Control Study Of Insomnia In Nondepressed Elderly	University Of Pennsylvania	\$397,068
1 P01 AG17628	Pack, Allan	The Mechanisms Of Alterations In Sleep With Age	University Of Pennsylvania	\$833,085
3 P01 AG17628	Pack, Allan	The Mechanisms Of Alterations In Sleep With Age	University Of Pennsylvania	\$110,185
5 R01 AG17491	Rybarczyk, Bruce	Behavioral Treatment For Comorbid Geriatric Insomnia	Rush-Presbyterian-St Lukes Medical Ctr	\$323,572
5 R42 AG15246	Savage, Henry	Luminaire For Sleep And Mood Disorders Of Aging	Apollo Light Systems, Inc.	\$120,238
5 R01 AG15853	Shiromani, Priyattam	Homeostatic Regulation Of Sleep In Aging	Harvard University (Medical School)	\$206,088
1 R03 AG20905	Suhner, Andrea	Melatonin Treatment For Sleep Disturbances During Menopause	Scripps Research Institute	\$88,650
5 K23 AG00867	Szuba, Martin	Sleep And Chronobiology Of Late-Life Depression	University Of Pennsylvania	\$132,948

Grant No	PI	Title	Institution	Funding
5 R01 AG18200	Turek, Fred	Stress Effects On Sleep: Influence Of Genes And Gender	Northwestern University	\$333,000
1 R01 AG19914	Urbanski, Henryk	Effect Of Aging And Caloric Restriction On Circadian Ph*	Oregon Health & Science University	\$198,750
5 P01 AG11412	Van Cauter, Eve	Alterations Of Circadian Timing In Aging	University Of Chicago	\$1,223,386
2 R37 AG02224	Wise, Phyllis	Neuroendocrine And Neurochemical Function During Aging	University Of Kentucky	\$286,374
5 R01 AG12914	Yesavage, Jerome	Treatments For Insomnia	Stanford University	\$463,847
5 R01 AG14124	Young, Terry	Menopause And Midlife Aging Effects On Sleep Disorders	University Of Wisconsin Madison	\$316,616
<b>NIA TOTAL</b>				<b>\$14,532,792</b>

#### NATIONAL INSTITUTE ON ALCOHOL ABUSE AND ALCOHOLISM

Grant No	PI	Title	Institution	Funding
5 K24 AA00304-03	Brower, Kirk J.	Pharmacotherapy of Alcoholism and Comorbid Insomnia	University of Michigan	\$113,305
1 R21 AA13251-01	Crum, Rosa	Sleep Disturbances and Risk for Alcohol Disorders	Johns Hopkins University	\$122,625
1 R21 AA13241-01	De Lecea, Luis	The Hypocretins and Alcohol Dependence	Scripps Research Institute	\$177,300
1 RO1 AA13243-01	Friedmann, Peter	Trazadone for Sleep Disturbance -Early Alcohol Recovery	Rhode Island Hospital	\$450,501
1 RO1 AA13239-01/02	Irwin, Michael	Alcoholism: Sleep and Cytokines in African Americans	University of California-Los Angeles	\$381,457
1 RO1 AA13253-01	Roehrs, Timothy A	Insomnia as a Path to Alcohol Abuse Intramural	Case Western Reserve-Henry Ford Hosp.	\$313,268
				\$123,000
<b>NIAAA TOTAL</b>				<b>\$1,681,456</b>

#### NATIONAL INSTITUTE OF CHILD HEALTH AND HUMAN DEVELOPMENT

Grant No	PI	Title	Institution	Funding
5 P30 HD26979	Arens, Raanan	MRI Of The Upper Airway Of Children With OSAS	Children's Hospital Of Philadelphia	\$21,724
5 R01 HD38461	Chervin, Ronald D	Behavioral Effect Of Obstructive Sleep Apnea In Children	University Of Michigan At Ann Arbor	\$200,000
3 U10 HD29067	Corwin, Michael J	Collaborative Home Infant Monitoring Evaluation (CHIME)	Boston University	\$196,644
5 P01 HD36379	Darnall, Robert A	Animal Physiology Core	Children's Hospital (Boston)	\$617,982
5 R01 HD18686	Davis, Frederick C	Development Of Mammalian Circadian Rhythms	Northeastern University	\$213,975
5 R01 HD32774	Fifer, William P	Perinatal Assessment Of At Risk Populations	New York State Psychiatric Institute	\$418,885
5 P01 HD36379	Filiano, James J	Comparative Chemical Anatomy Of The Ventral Medulla	Children's Hospital (Boston)	\$89,997
5 R01 HD22695	Harper, Ronald M	Physiological Development In SIDS	University Of California Los Angeles	\$231,155
5 R01 HD37315	Heller, Craig H	Development Of Sleep Homeostasis In The Developing Rat	Stanford University	\$299,557
5 P01 HD36379	Kinney, Hannah C	Protective Responses And Brainstem Analysis In SIDS	Children's Hospital (Boston)	\$68,998
5 P01 HD36379	Kinney, Hannah C	Anatomy Core	Children's Hospital (Boston)	\$337,490
2 P30 HD18655	Kinney, Hannah C	Brainstem Maturation In Sudden Infant Death Syndrome	Children's Hospital (Boston)	\$45,794
2 P30 HD18655	Kinney, Hannah C	Ventral Medulla And The Sudden Infant Death Syndrome	Children's Hospital (Boston)	\$45,794
5 R37 HD20991	Kinney, Hannah C	Brainstem Maturation In The Sudden Infant Death Syndrome	Children's Hospital (Boston)	\$284,400
5 R01 HD18478	Koos, Brian J	Hypoxia And Control Of Fetal Breathing Movements	University Of California Los Angeles	\$347,696
2 R01 HD36520	Krueger, James M	Mechanisms Of Sleep Responses To Viral Infections	Washington State University	\$326,250

Grant No	PI	Title	Institution	Funding
1 K24 HD01476	Legro, Richard S	Insulin Resistance In PCOS--Sequelae And Treatment	Pennsylvania State Univ Hershey Med Ctr	\$135,027
5 P01 HD36379	Leiter, James C	The Ventral Medulla And Response To Afferent Stimulation	Children's Hospital (Boston)	\$128,996
5 P30 HD24061	Marcus, Carole L	Pathophysiology Of Childhood Obstructive Sleep Apnea	Kennedy Krieger Research Institute, Inc.	\$59,970
5 P01 HD36379	Nattie, Eugene E	The Ventral Medulla Breathing & Central Chemoreception	Children's Hospital (Boston)	\$133,496
5 P01 HD13063	Schulze, Karl F	Response To Nutrient And Oxygen Supply	Columbia University Health Sciences	\$219,786
5 R01 HD28931	Sica, Anthony L	Monitoring A SIDS Model In Neonatal Swine	SUNY Downstate Medical Center	\$321,068
5 P01 HD36379	St John, Walter M	Protective Ventilatory Responses To Hypoxia	Children's Hospital (Boston)	\$122,996
5 R01 HD38357	Super, Charles M	Socialization Of Infants' State, Attention, And Affect	University Of Connecticut Storrs	\$410,668
5 R01 HD10993	Thach, Bradley T	Control Of Breathing In Recovery From Apnea	Washington University	\$330,917
2 Y01 HD00173		Back To Sleep Campaign African American Outreach	U.S. Health Resources And Services Admin	\$180,000
2 Y01 HD07042		Child Sleep Positions/SIDS	U.S. Bureau Of The Census	\$125,000
2 Y01 HD07147		Back To Sleep Campaign	U.S. Health Resources And Services Admin	\$400,000
DIR		Back to Sleep Campaign		770,000
<b>NICHD TOTAL</b>				<b>\$7,084,265</b>

#### NATIONAL INSTITUTE ON DRUG ABUSE

Grant No	PI	Title	Institution	Funding
1 F32 DA014446	Burnette, James M.	Circadian Gene Modulation Of Cocaine Responsiveness	University Of Virginia Charlottesville	\$33,260
1 R01 DA013264	Buydens-Branchey, Laure B.	Effects Of Buspirone In Withdrawal From Opiates	Narrows Institute For Biomedical Res Inc	\$15,600
5 R01 DA013173	Cravatt, Benjamin F	Structure/Function Studies Of Fatty Acid Amide Hydrolase	Scripps Research Institute	\$310,275
1 R21 DA014188	Dugovic, Christine	Importance Of Sleep & Genotype In Drug Abuse Studies	Northwestern University	\$147,000
5 R01 DA008105	Foltin, Richard W.	Laboratory Analysis Of Cocaine Abstinence	New York State Psychiatric Institute	\$99,750
5 R01 DA012698	Haney, Margaret	THC And Marijuana--Effects In Individuals With HIV/AIDS	New York State Psychiatric Institute	\$45,578
1 R01 DA013349	Heller, Craig H.	A High-Throughput Assay For Genetic Studies Of Sleep	Stanford University	\$340,062
5 R01 DA011744	Hobson, J A.	Drug Abuse, Sleep And Cognition	Massachusetts Mental Health Institute	\$349,007
5 R01 DA012137	Liguori, Anthony	Sleep Deprivation And Alcohol Effects In Marijuana Users	Wake Forest University	\$252,730
5 R01 DA003994	Lukas, Scott E.	Polydrug Abuse--EEG And Behavior	Mc Lean Hospital	\$56,985
5 R01 DA010682	Mendelson, Wallace B.	Preoptic Area And Pharmacologic Sleep Induction	University Of Chicago	\$234,971
5 R01 DA011927	Mignot, Emmanuel J.	Sleep Homeostasis And Stimulant Drugs Of Abuse	Stanford University	\$251,236
5 R01 DA011448	Roehrs, Timothy A.	Sleepiness And The Reinforcing Effect Of Methylphenidate	Case Western Reserve Univ-Henry Ford HSC	\$268,163
1 R01 DA014874	Tancer, Manuel E.	Effects Of The Ecstasy Drug In Humans	Wayne State University	\$112,736
<b>NIDA TOTAL</b>				<b>\$2,517,353</b>

#### NATIONAL HEART, LUNG AND BLOOD INSTITUTE

Grant No	PI	Title	Institution	Funding
1 R01 HL67209-01	Aloia, Mark S	Motivating Adherence To CPAP In Obstructive Sleep Apnea	Brown University	\$461,404
5 R01 HL62408-03	Arens, Raanan	MRI Of The Upper Airway Of Children With OSAS	Children's Hospital Of Philadelphia	\$379,271
1 K25 HL04420-01A1	Ayappa, Indu A	Automated (Ai) Analysis Of Sleep Disordered Breathing	New York University School Of Medicine	\$147,450

Grant No	PI	Title	Institution	Funding
5 R01 HL53443-08	Badr, M S	Central Sleep Apnea--Role Of Longterm Facilitation	Wayne State University	\$199,664
5 K24 HL04174-03	Badr, M. S	Sleep Apnea--Determinants And Consequences	Wayne State University	\$70,627
5 R01 HL67604-02	Benloucif, Susan J	Responsiveness Of The Aging Circadian Clock To Light	Northwestern University	\$220,500
1 R01 HL63772-01A2	Bixler, Edward O	Prevalence Of Sleep Disordered Breathing In Children	Pennsylvania State Univ Hershey Med Ctr	\$269,325
5 K07 HL03897-04	Boehlecke, Brian A	Sleep Medicine Education And Practice Improvement Plan	University Of North Carolina Chapel Hill	\$97,410
1 R43 HL67732-01	Brisben, Amy J	Automated Respiratory Event Scoring System	Baltimore Biomedical, Inc.	\$148,854
5 R01 HL64581-03	Campbell, Scott S	Extraocular Circadian Phototransduction In Humans	Weill Medical College Of Cornell Univ	\$308,840
1 F32 HL68417-01	Campen, Matthew J	Hemodynamic Responses To Apnea In Mouse Strains	Johns Hopkins University	\$34,832
5 R01 HL65356-02	Carney, Robert M	Depression, Sleep Disorders And Coronary Heart Disease	Washington University	\$580,211
5 R01 HD38461-03	Chervin, Ronald D	Behavioral Effect Of Obstructive Sleep Apnea In Children	University Of Michigan At Ann Arbor	\$144,439
5 R01 HL64582-03	Colwell, Christopher S	Regulation Of The Mammalian Circadian System	University Of California Los Angeles	\$159,603
2 R01 HL52992-06A1	Czeisler, Charles A	Bright Light Treatment Of Shift Rotation Insomnia	Brigham And Women's Hospital	\$369,528
5 R01 HL65207-03	Czeisler, Charles A	Circadian Adaptation To Night Work In Older People	Brigham And Women's Hospital	\$423,750
5 T32 HL07901-04	Czeisler, Charles A	Training In Sleep, Circadian & Respiratory Neurobiology	Brigham And Women's Hospital	\$401,044
5 R01 HL61594-04	Dement, William C	Neurochemical Basis Of Sleep Homeostasis	Stanford University	\$286,691
5 U01 HL64243-03	Dement, William C	Determinants Of Compensatory Sleep Phenotype In Mice	Stanford University	\$277,705
5 R01 HL62561-03	Dempsey, Jerome A	Causes Of Sleep-Induced Breathing Instabilities	University Of Wisconsin Madison	\$390,840
5 R01 HL63042-02	Dick, Thomas E	Control-Respiratory Modulation Of Sympathetic Activity	Case Western Reserve University	\$214,750
5 R01 HL44915-11	Dimsdale, Joel E	Sleep Apnea & Hypertension--Role Of Symp Nervous System	University Of California San Diego	\$570,003
5 R01 HL50775-08	Duckles, Sue P	Vascular Reactivity--Gender And Hormonal Influences	University Of California Irvine	\$343,472
1 R01 HL66267-01	Durand, Dominique M	Activation Of Tongue Muscles In Obstructive Sleep Apnea	Case Western Reserve University	\$178,890
5 R01 HL64245-04	Fang, Jidong	Sleep And Synaptic Plasticity	Pennsylvania State Univ Hershey Med Ctr	\$346,275
5 K23 HL04400-02	Fogel, Robert B	Androgens & Sleep: Apnea Epidemiology & Pathophysiology	Brigham And Women's Hospital	\$133,920
2 R01 HL25739-19A1	Forster, Hubert V	Control Of Breathing During Physiologic Conditions	Medical College Of Wisconsin	\$187,500
1 R01 HL70301-01	Foster, Gary D	Sleep Apnea In Look Ahead Participants	University Of Pennsylvania	\$590,861
5 R01 HL56876-04	Fregosi, Ralph F	Neuromuscular Control Of The Pharyngeal Airway	University Of Arizona	\$196,692
1 R43 HL65265-01A1	Gevins, Alan S	On-Line Alertness Monitor	Sam Technology, Inc.	\$99,856
1 R43 HL67733-01	Gibson, Paul L	Sleep Diagnostic Device With Wireless Internet Interface	Advanced Medical Electronics Corporation	\$100,000
5 R01 HL67007-06	Gillette, Martha U	Cellular Regulators Of Circadian Timing	University Of Illinois Urbana-Champaign	\$308,119
5 R01 HL62404-03	Glaze, Daniel G	Obstructive Sleep Apnea In Children	Baylor College Of Medicine	\$413,150
5 R01 HL62371-03	Gottlieb, Daniel J	Neurobehavioral Consequences Of Sleep Apnea In Children	Boston University	\$413,798
5 R01 HL63912-02	Gozal, David A	REM Sleep Deprivation, Hypoxia, And Hippocampal Function	University Of Louisville	\$324,000
5 R01 HL65270-03	Gozal, David A	Neurocognitive Function In Snoring Children	University Of Louisville	\$360,000
1 R01 HL69706-01	Greco, Mary A	Regulation Of Chat Expression During Sleep-Wakefulness	Harvard University (Medical School)	\$256,550
5 K07 HL03763-04	Guilleminault, Christian	Educational Program On Sleep And Chronobiology Medicine	Stanford University	\$103,550
2 R01 HL22418-22	Harper, Ronald M	Neural Control Of Cardiorespiratory Function	University Of California Los Angeles	\$229,500
5 R01 HL64148-03	Heller, H. C	Genetic Variation Influencing Sleep Regulation In Mice	Stanford University	\$355,632
5 K23 HL04190-03	Imadojemu, Virginia A	Neurocirculatory Responses In Obstructive Sleep Apnea	Pennsylvania State Univ Hershey Med Ctr	\$129,708
2 R01 HL59873-05	Jackson, Francis R	Studies Of A Neural Pacemaker Output Pathway	Tufts University Boston	\$378,700
1 R43 HL67734-01	Kayyali, Hani A	Patient Interface For Continuous Positive Airway Pressure	Biomec, Inc.	\$115,543
1 R43 HL68347-01	Kayyali, Hani A	A Simple And Sensitive Airflow Sensor For Sleep Studies	Biomec, Inc.	\$124,146

Grant No	PI	Title	Institution	Funding
1 R43 HL68490-01	Kramer, Kevin	Polysomnograph On A Chip	Advanced Medical Electronics Corporation	\$100,000
1 R43 HL65166-01A1	Krausman, David T	Ambulatory Airflow-Pressure Monitor For Sleep Medicine	Individual Monitoring Sys, Inc. (Im Sys)	\$120,665
2 R44 HL62077-02	Krausman, David T	Wrist- Worn Ambulatory Oximeter	Individual Monitoring Sys, Inc. (Im Sys)	\$446,793
5 R01 HL61280-03	Kripke, Daniel F	Phase Response Curves For Exercise And Bright Light	University Of California San Diego	\$567,516
5 R01 HL63342-02	Kryger, Meir H	Impact Of Sleep Disorders On Health	University Of Manitoba	\$88,428
5 R01 HL47600-09	Kubin, Leszek K	Premotor Control Of Upper Airway And REM Sleep Atonia	University Of Pennsylvania	\$277,375
5 R01 HL27520-17	Kuna, Samuel T	Respiratory Related Motor Output To Upper Airway Muscles	University Of Pennsylvania	\$356,625
5 R01 HL61272-04	Kuna, Samuel T	Pharyngeal Airway Function	University Of Pennsylvania	\$291,696
5 R01 HL64150-03	Leonard, Christopher S	K+-Channels Regulating REM-Related Cholinergic Neurons	New York Medical College	\$274,225
1 R43 HL66829-01	Levendowski, Daniel J	Novel Systems To Evaluate Sleep Apnea And Vigilance	Advanced Brain Monitoring, Inc.	\$99,994
1 R43 HL68463-01	Levendowski, Daniel J	In-Home Sleep Apnea Risk Evaluation System	Advanced Brain Monitoring, Inc.	\$125,306
5 R01 HL66195-02	Levy, Andrew P	Hypoxia Inducible VEGF Production In Sleep Apnea	Technion-Israel Institute Of Technology	\$125,000
5 K07 HL03643-05	Lopata, Melvin C	Illinois Cooperative Curriculum In Sleep Education	University Of Illinois At Chicago	\$97,245
5 K23 HL04056-03	Loredo, Jose S	Chemoreceptors And Hypertension And Sleep Apnea	University Of California San Diego	\$131,950
5 R01 HL40881-13	Lydic, Ralph B	Cholinergic Mechanisms Of Breathing During Sleep	University Of Michigan At Ann Arbor	\$294,071
2 R01 HL57120-06	Lydic, Ralph B	Opioid Induced REM Sleep Inhibition	University Of Michigan At Ann Arbor	\$357,653
5 R01 HL65272-03	Lydic, Ralph B	Cholinergic Phenotype In Murine Models Of Sleep	University Of Michigan At Ann Arbor	\$226,500
5 R01 HL58585-04	Marcus, Carole L	Pathophysiology Of Childhood Obstructive Sleep Apnea	Johns Hopkins University	\$170,379
5 R01 HL64277-03	Marks, Gerald A	Sleep/Wake-Related Neuronal Activity In The Mouse	University Of Texas SW Med Ctr/Dallas	\$195,000
5 K07 HL03640-05	Mendelson, Wallace B	Training Program In Sleep Medicine	University Of Chicago	\$102,760
9 R44 HL70327-02	Modarreszadeh, Mohammad N	Wireless Evoked Potential System For Measuring Alertness	Cleveland Medical Devices, Inc.	\$432,938
5 R01 HL41016-11	Muller, James E	Triggers Of Ventricular Arrhythmias (TOVA) Study	Massachusetts General Hospital	\$520,770
5 U01 HL53937-08	Nieto, Javier F	The Sleep Heart Health Study	Johns Hopkins University	\$518,563
5 U01 HL53941-08	O'connor, George T	Sleep Heart Health Study	Boston University	\$409,094
5 R01 HL63767-02	O'donnell, Christopher P	Leptin And Ventilatory Control During Sleep	Johns Hopkins University	\$286,125
5 R01 HL66324-02	O'donnell, Christopher P	Cholinergic Aspects Of The Carotid Body In Sleep Apnea	Johns Hopkins University	\$286,125
5 K07 HL03896-04	Owens, Judith A	Biopsychosocial Model Of Sleep Education	Rhode Island Hospital (Providence, Ri)	\$85,499
5 P50 HL60287-04	Pack, Allan I	SCOR In Neurobiology Sleep And Sleep Apnea	University Of Pennsylvania	\$1,870,321
5 R01 HL60756-03	Pack, Allan I	Treatment Of Sleep Apnea In The Elderly	University Of Pennsylvania	\$555,889
5 T32 HL07713-10	Pack, Allan I	Training Program/Respiratory Neurobiology And Sleep	University Of Pennsylvania	\$170,874
5 T32 HL07953-02	Pack, Allan I	Training In Sleep And Sleep Disorders	University Of Pennsylvania	\$354,459
1 F32 HL68418-01	Patil, Susheel P	Obesity And Upper Airway Reflex Control During Sleep	Johns Hopkins University	\$52,436
1 R01 HL69699-01	Pavlidis, Constantine	Gene Regulation And Synaptic Plasticity In Sleep	Rockefeller University	\$368,366
5 K07 HL03637-05	Phillips, Barbara	Sleep Education And Research--A Comprehensive Plan	University Of Kentucky	\$86,703
2 R01 HL59596-05	Ptacek, Louis J Ii	Characterization Of Advanced Sleep Phase Syndrome	University Of Utah	\$409,998
5 K23 HL04065-03	Punjabi, Naresh M	Early Identification And Treatment Of Sleep Apnea	Johns Hopkins University	\$160,128
5 R01 HL62373-03	Quan, Stuart F	Prevalence And Correlates Of Childhood Sleep Apnea	University Of Arizona	\$376,047
5 U01 HL53938-08	Quan, Stuart F	The Sleep Heart Health Study	University Of Arizona	\$482,538
5 U01 HL53931-08	Rapoport, David M	Sleep Heart Health Study	New York University School Of Medicine	\$637,210
2 R01 HL46380-11	Redline, Susan S	Familial Aggregation And Natural History Of Sleep Apnea	Case Western Reserve University	\$525,493
5 R01 HL60957-04	Redline, Susan S	Epidemiology Of Sleep Disordered Breathing In Children	Case Western Reserve University	\$290,113

Grant No	PI	Title	Institution	Funding
5 U01 HL63463-03	Redline, Susan S	The Sleep Heart Health Study: Reading Center Application	Case Western Reserve University	\$534,152
5 U01 HL63429-03	Resnick, Helaine E	Sleep Heart Health Study	Missouri Breaks Research, Inc.	\$284,860
5 U01 HL53916-08	Robbins, John A	Sleep Heart Health Study	University Of California Davis	\$480,270
5 K23 HL04426-02	Rosen, Carol L	Evaluation Of Diagnostic Tests For Pediatric Sleep Apnea	Case Western Reserve University	\$126,630
5 K07 HL03890-04	Rosen, Gerald M	MN Regional Sleep Disorders Center Sleep Academic Award	Minneapolis Medical Research Fdn, Inc.	\$86,212
5 U01 HL64360-03	Samet, Jonathan M	Data Coordinating Center For Sleep Heart Study	Johns Hopkins University	\$738,080
5 K07 HL03646-04	Sateia, Michael J	New Technology And Outreach In Sleep Education	Dartmouth College	\$86,400
1 R43 HL68352-01	Schoess, Jeffrey N	Self-Dispensing Respiratory Effort Band	Korosensor.Com, Inc.	\$99,822
5 R01 HL50381-08	Schwartz, Alan R	Upper Airway Control Of Transtracheal Insufflation	Johns Hopkins University	\$338,972
9 R44 HL68500-02	Seifert, Gregory J	Body-Worn Wire-Free Micro-Recording Sleep Sensors	Advanced Medical Electronics Corporation	\$412,100
5 U01 HL53934-08	Shahar, Eyal	The Sleep Heart Health Study	University Of Minnesota Twin Cities	\$426,633
5 R01 HL61596-03	Shirahata, Machiko	Carotid Body Excitation--New Concept	Johns Hopkins University	\$241,271
5 P50 HL60296-04	Siegel, Jerome M	Control Of Airway Motor Neurons During Sleep/Wakefulness	University Of California Los Angeles	\$1,463,214
5 R37 HL41370-13	Siegel, Jerome M	Control Of Muscle Tone By The Nucleus Magnocellularis	University Of California Los Angeles	\$204,902
5 F32 HL10271-03	Sirois, Jay E	Ph And O2 Sensitive Currents In Respiratory Motoneuron	University Of Virginia Charlottesville	\$43,772
5 K07 HL03899-04	Skatrud, James B	Sleep Medicine Curriculum	University Of Wisconsin Madison	\$85,022
5 R01 HL50531-07	Smith, Curtis A	Carotid Chemo/Baroreceptors Role In Apnea And Hyperpnea	University Of Wisconsin Madison	\$227,111
5 R01 HL37379-15	Smith, Philip L	Obesity And Neural Control In Sleep Disordered Breathing	Johns Hopkins University	\$426,383
5 R01 HL65176-03	Somers, Virend K	Cardiovascular Disease Mechanisms In Sleep Apnea	Mayo Clinic Rochester	\$285,749
5 K07 HL03650-04	Strohl, Kingman P	Sleep Academic Award--Recognition Of Sleep Disorders	Case Western Reserve University	\$82,823
5 R01 HL64278-03	Strohl, Kingman P	Sleep And Entertainment Of SCN Function	Case Western Reserve University	\$290,250
5 T32 HL07913-03	Strohl, Kingman P	Sleep Medicine Neurobiology And Epidemiology	Case Western Reserve University	\$149,869
5 R01 HL62401-03	Suratt, Paul M	Obstructive Apnea In Children	University Of Virginia Charlottesville	\$364,989
9 R01 HL70522-12A2	Toth, Linda A	Sleep Patterns During Infectious Disease	Southern Illinois University Carbondale	\$300,440
5 T32 HL07909-04	Turek, Fred W	Training Grant In Sleep Research	Northwestern University	\$260,674
5 R01 HL65225-02	Veasey, Sigrid C	Differential Vulnerability To Morbidities Of Sleep Apnea	University Of Pennsylvania	\$237,750
5 R01 HL64415-02	Vgontzas, Alexandros N	The Role Of Cytokines In Sleepiness And Sleep Apnea	Pennsylvania State Univ Hershey Med Ctr	\$234,900
5 R01 HL62589-03	Vidruk, Edward H	Medullary Respiratory Neurons And Sleep Apnea	University Of Wisconsin Madison	\$274,884
5 K07 HL03652-05	Ware, James C	EVMS Sleep Project	Eastern Virginia Med Sch/Med Col Hamp Rd	\$78,960
5 P50 HL60292-04	White, David P	Harvard Center On Sleep Neurobiology And Sleep Apnea	Harvard University (Medical School)	\$1,491,105
5 R01 HL48531-09	White, David P	Sleep, Airway Patency And The Pharyngeal Musculature	Brigham And Women's Hospital	\$423,750
5 R01 HL62252-03	Young, Terry B	Epidemiology Of Sleep-Disordered Breathing In Adults	University Of Wisconsin Madison	\$948,531
5 K07 HL03891-04	Zee, Phyllis C	Multidisciplinary Educational Program In Sleep Medicine	Northwestern University	\$88,746
		Extramural Programs		\$36,994,699
		RMS		\$423,459
		NCSDR Education Programs		\$161,000
<b>NHLBI TOTAL</b>				<b>\$37,579,158</b>

NATIONAL INSTITUTE OF MENTAL HEALTH

Grant No	PI	Title	Institution	Funding
Grant No	PI	Title	Institution	Funding
1 R03 MH063269-01	Adam, Emma K	Contextual Influences On Adolescent Cortisol Activity	Northwestern University	\$73,500
5 R01 MH061354-02	Alam, Md N	Control Of Sleep And Arousal	Sepulveda Research Corporation	\$118,100
5 R01 MH058789-04	Albers, Elliot H	Photic Entrainment Of Circadian Behaviors	Georgia State University	\$197,296
1 R01 MH062641-01A1	Albers, Elliot H	Neurobiology Of Social Behavior	Georgia State University	\$279,120
2 T32 MH019132-11	Alexopoulos, George S.	Research Training In Geriatric Mood Disorders	Weill Medical College Of Cornell Univ	\$95,019
5 P30 MH049762-09	Alexopoulos, George S.	CRC/Geriatric Mood Disorders	Weill Medical College Of Cornell Univ	\$1,171,398
5 K08 MH001844-02	Anderson, Matthew P	Ca Channels In Thalamic & Hippocampal Rhythmic Activity	Brigham And Women's Hospital	\$138,640
1 F31 MH064258-01	Aragona, Brandon J	Circadian Expression Of Clock Genes In SCN X Rats	Florida State University	\$24,617
5 R01 MH056953-03	Armitage, Roseanne	Childhood Depression--Physiological Correlates	University Of Texas Sw Med Ctr/Dallas	\$320,373
1 R01 MH061515-01A1	Armitage, Roseanne	Sex Differences In Sleep Regulation In Depression	University Of Texas Sw Med Ctr/Dallas	\$420,437
5 R01 MH045361-14	Baghdoyan, Helen A	Cholinergic Mechanisms Of REM Sleep Generation	University Of Michigan At Ann Arbor	\$198,469
1 Z01 MH002767-04	Baler, Ruben David	Regulation Of Temporal & Spatial Gene Expression In The Circadian System		\$1,521,417
5 R01 MH049741-10	Barlow, Robert B	Computational Models Of Retinal And Brain Function	Upstate Medical University	\$223,359
1 N43 MH012042-01	Bedrosian, Richard C	Web Based Dissemination Programs For Emperically Support Treatments (Est)	Recovery And Support Technologies	\$92,570
5 R01 MH052226-07	Benca, Ruth M	Acute Effects Of Light On Sleep	University Of Wisconsin Madison	\$388,829
5 R01 MH060338-02	Benca, Ruth M	Amygdala And Sleep	University Of Wisconsin Madison	\$288,000
1 R01 MH062359-01A1	Berridge, Craig W	Neurobiology Of Orexin/Hypocretin-Induced Arousal	University Of Wisconsin Madison	\$241,567
6 R01 MH059166-02	Bittman, Eric L	Neural Regulation Of Circadian Rhythms And Photoperiodis	University Of Massachusetts Amherst	\$230,250
1 R01 MH062517-01	Block, Gene D	Neural Basis Of Mammalian Circadian Organization	University Of Virginia Charlottesville	\$288,992
5 R01 MH053032-07	Brenowitz, Eliot A	Comparative Studies Of Vocal Control	University Of Washington	\$317,185
5 R01 MH048802-09	Breslau, Naomi	Posttraumatic Stress Disorder--A Follow Up Study	Case Western Reserve Univ-Henry Ford Hsc	\$306,383
1 R21 MH063364-01	Brown, Ronald L	Retinal Input To The Circadian System	Oregon Health & Science University	\$151,000
1 F30 MH012351-01A2	Buchanan, Gordon F	Cholinergic Influence On Circadian Function	University Of Illinois Urbana-Champaign	\$27,577
5 R01 MH049757-09	Cahill, Gregory M	Cellular Mechanisms Of Circadian Rhythmicity	University Of Houston-University Park	\$147,423
5 R01 MH060939-02	Cahill, Gregory M	Mutational Analysis Of Vertebrate Circadian Rhythmicity	University Of Houston-University Park	\$185,185
5 K02 MH001099-09	Campbell, Scott S	Chronobiology Of Age Related Sleep Disturbance	Weill Medical College Of Cornell Univ	\$107,730
5 R01 MH045067-13	Campbell, Scott S	Bright Light Treatment Of Sleep Disturbance In Elderly	Weill Medical College Of Cornell Univ	\$224,106
5 R01 MH054617-05	Campbell, Scott S	Reassessment Of Human Circadian Rhythmicity In Aging	Weill Medical College Of Cornell Univ	\$125,000
1 R43 MH062852-01A1	Cantor, Hal C	Real-Time Melatonin Monitor To Diagnose Sleep Disorders	Advanced Sensor Technologies, Inc.	\$99,556
5 K05 MH001358-05	Carskadon, Mary A	Sleep And Circadian Rhythms In Children And Adolescents	Emma Pendleton Bradley Hospital	\$93,474
5 R01 MH052415-08	Carskadon, Mary A	Adolescent Sleep: Circadian And Homeostatic Processes	Emma Pendleton Bradley Hospital	\$489,284
2 R25 MH058879-04	Carskadon, Mary A	Sleep And Chronobiology Summer Research Apprenticeship	Emma Pendleton Bradley Hospital	\$77,428
2 R01 MH050471-06A2	Cartwright, Rosalind D	Sex Differences In Mood Disorders	Rush-Presbyterian-St Lukes Medical Ctr	\$252,876
5 T32 MH018825-15	Chase, Michael H	Multi-Site Training Program For Basic Sleep Research	University Of California Los Angeles	\$175,447
5 R37 MH043362-13	Chase, Michael H	Pharmacological Model Of Atonia Of Active Sleep	University Of California Los Angeles	\$251,609
5 R25 MH059677-03	Chase, Michael H	Training Workshop In Basic Sleep Research	University Of California Los Angeles	\$110,473
5 F31 MH012370-03	Chou, Thomas C	Tuberomammillary Nucleus And Sleep/Wake Regulation	Beth Israel Deaconess Medical Center	\$24,410
5 K01 MH001508-05	Chow, Carson C	Synchrony In Neuronal Networks	University Of Pittsburgh At Pittsburgh	\$114,167
5 R01 MH044234-12	Church, Russell M	Temporal Discrimination Learning	Brown University	\$180,736
5 R03 MH060308-02	Churchill, Lynn	Vagal-Mediated Cytokines In Sleep Circuitry	Washington State University	\$71,389

Grant No	PI	Title	Institution	Funding
1 K08 MH001642-01A3	Clark, Camellia P	Sleep Deprivation, EEG, & Functional MRI In Depression	University Of California San Diego	\$167,160
2 R44 MH060034-02	Cooke, Arthur V	Advanced At-Home Screening Device For Sleep Apnea	Active Signal Technologies, Inc.	\$364,078
2 R01 MH045130-11A1	Czeisler, Charles A	Treatment Of Circadian Sleep Disorders With Bright Light	Brigham And Women's Hospital	\$627,588
2 K02 MH001362-06	Dahl, Ronald E	Sleep/Arousal & Affect Regulation: Puberty Development	University Of Pittsburgh At Pittsburgh	\$116,989
5 R01 MH059839-03	Datta, Subimal	Cellular And Neurochemical Mechanisms Of REM Sleep	Boston University	\$241,877
5 F32 MH012326-03	Day, Elaine B	Perceptual And Neural Aspects Of Visual Displays	University Of California Santa Barbara	\$40,196
5 T32 MH020051-02	De Vries, Geert J	Training In Neuroendocrinology	University Of Massachusetts Amherst	\$149,280
5 R01 MH042922-12	Dubocovich, Margarita L	Modulatory Role Of Melatonin In CNS Function	Northwestern University	\$208,112
3 R01 MH052685-06S1	Dubocovich, Margarita L	Melatonin-Light Interaction On Circadian Activity	Northwestern University	\$57,152
5 R01 MH052685-06	Dubocovich, Margarita L	Melatonin-Light Interaction On Circadian Activity	Northwestern University	\$229,371
5 R01 MH059995-03	Dudek, F E	Local Neuronal Circuits Of The Suprachiasmatic Nucleus	Colorado State University	\$231,410
5 R01 MH044651-12	Dunlap, Jay C	Identification And Analysis Of Clock Controlled Genes	Dartmouth College	\$399,026
5 R21 MH062793-02	Dunlap, Jay C	Gene Expression Profiling In The Mammalian Circadian	Dartmouth College	\$238,500
1 R01 MH060147-01A2	Earnest, David J	Role Of BDNF In The Photic Control Of Circadian Rhythms	Texas A&M University Health Science Ctr	\$208,386
5 R01 MH048187-07	Edinger, Jack D	Dose/Response Effects Of Behavioral Insomnia Therapy	Duke University	\$158,207
5 F31 MH011817-04	Eiland, Monica M	Locus Coeruleus And Raphe Activity In Sleep And Waking	University Of California Los Angeles	\$2,277
5 K23 MH001830-02	Epperson, Cynthia N	Neuronal Dysfunction In Premenstrual Dysphoric Disorder	Yale University	\$139,834
5 K02 MH001435-04	Erskine, Mary S	Neuroendocrine Responses To Mating In The Female	Boston University	\$93,856
5 R01 MH057904-04	Feng, Pingfu	Ontogeny Of Depressive Substrates	Emory University	\$166,051
5 T32 MH017168-18	Fluharty, Steven J	Predocctoral Training In Behavioral Neuroscience	University Of Pennsylvania	\$185,483
1 R01 MH062003-01A1	Foa, Edna B	Relationship Between Bio. And Psych. Correlates Of PTSD	University Of Pennsylvania	\$359,453
1 F31 MH064312-01	Freeman, Amanda A	Dopaminergic Mesothalamic System: Anatomy & Physiology	Emory University	\$20,648
5 T32 MH019927-08	Fritz, Gregory K	Research Training In Child Mental Health	Rhode Island Hospital (Providence, Ri)	\$226,296
5 F31 MH012058-03	Gaus, Stephanie E	SCN And Sleep/Wake Regulation	Harvard University (Medical School)	\$23,064
5 T32 MH018390-15	Gibbs, James P	Postdoctoral Training In Eating Disorders	Weill Medical College Of Cornell Univ	\$140,333
5 R01 MH058606-02	Gilden, David L	Fluctuations In Cognitive And Perceptual Activity	University Of Texas Austin	\$103,713
5 R01 MH039531-14	Giles, Donna E	Is EEG Sleep Abnormal In Those At Risk For Depression	University Of Rochester	\$358,875
5 R01 MH060350-02	Giles, Donna E	Familial Risks For Mood Disorders In Adult Offspring	University Of Rochester	\$159,500
5 R01 MH051246-06	Girdler, Susan S.	Neuroendocrine Modulation Of Stress Responses In PMS	University Of North Carolina Chapel Hill	\$342,982
1 R01 MH061461-01A1	Green, Carla B	In Vivo Studies Of Vertebrate Circadian Clock Genes	University Of Virginia Charlottesville	\$221,256
1 F31 MH065168-01	Hairston, Ilana S	The Role Of Sleep In Adult Neurogenesis	Stanford University	\$33,753
5 K01 MH001554-04	Hall, Martica	Sleep As A Mediator Of The Stress/Health Relationship	University Of Pittsburgh At Pittsburgh	\$113,098
5 R01 MH061423-02	Hardin, Paul E	Circadian Regulatory Circuits In Drosophila	University Of Houston-University Park	\$221,250
5 R01 MH060013-02	Hasselmo, Michael E	Neuromodulation And Cortical Memory Function	Boston University	\$232,808
5 R01 MH061492-02	Hasselmo, Michael E	Cholinergic Regulation Of Entorhinal Network Function	Boston University	\$254,380
1 R15 MH062402-01A1	Heideman, Paul D	Variability In Brain Regulation Of Photoresponsiveness	College Of William And Mary	\$57,850
2 R44 MH057186-02	Heitmann, Anneke	Software System For Prediction Of Shiftwork Alertness	Circadian Technologies, Inc.	\$274,577
1 F31 MH064329-01	Hellman, Kevin M	Memory Consolidation And Sleep	University Of Pennsylvania	\$34,362
5 R01 MH063104-02	Herzog, Erik D	Cellular Basis Of Circadian Rhythms In Mammals	Washington University	\$192,271
5 R37 MH013923-33	Hobson, J A	Neurophysiological Mechanisms Of Sleep Cycle Control	Harvard University (Medical School)	\$411,136
5 R01 MH048832-08	Hobson, J A	State Dependent Aspects Of Cognition	Harvard University (Medical School)	\$321,523

Grant No	PI	Title	Institution	Funding
5 R01 MH057832-04	Hooper, Scott L	Phase Maintenance, Neuron Properties To Muscle Response	Ohio University Athens	\$144,736
5 R01 MH059847-02	Horvath, Tamas L	Gonadal Steroid Regulation Of The Biological Clock	Yale University	\$286,125
5 R01 MH059890-03	Jennes, Lothar H	Neuroendocrine Mechanisms Of Reproductive Aging	University Of Kentucky	\$210,541
5 K02 MH001179-08	Johnson, Carl H	Molecular/Genetic Analysis Of Biological Clocks	Vanderbilt University	\$92,654
1 R43 MH062886-01	Johnson, David A	Integrated, Low Cost, EEG/EMG Recording System For Mice	Pinnacle Technology, Inc.	\$99,481
5 R01 MH061385-02	Johnson, Eric O	Epidemiology Of Insomnia & Mental Illness In Adolescence	Case Western Reserve Univ-Henry Ford Hsc	\$202,583
5 R01 MH060119-02	Jones, Barbara E	Role Of Basal Forebrain Neurons In Sleep Wake States	Mc Gill University	\$100,000
5 R01 MH045923-12	Kandel, Eric R	Molecular Biological Approaches: LTP In The Hippocampus	Columbia University Health Sciences	\$298,375
3 P30 MH052129-07S1	Katz, Ira R	Depression In Late Life--Psychiatric/Medical Comorbidity	University Of Pennsylvania	\$504,962
5 R01 MH051573-09	Kay, Steve A	Cell Biology Of Circadian Signaling Mechanisms	Scripps Research Institute	\$386,416
5 P30 MH030914-24	Kelsoe, John R	Psychobiological Study Of Psychiatric Disorders	University Of California San Diego	\$1,374,366
2 K02 MH001180-06A1	Keshavan, Matcheri S	Brain Maturation And Vulnerability To Schizophrenia	University Of Pittsburgh At Pittsburgh	\$117,223
5 R01 MH058853-03	King, Abby C	Promoting Exercise, Sleep And Well Being In Older Adults	Stanford University	\$744,009
1 R03 MH064466-01	Kisley, Michael A	Effect Of State REM Sleep On Sensory Gating Impairment	University Of Colorado Hlth Sciences Ctr	\$75,500
1 R01 MH062525-01A1	Kocsis, Bernat	Cooperation Among Subcortical Networks Underlying Memory	Massachusetts Mental Health Institute	\$275,550
1 F32 MH012408-01A2	Kriegsfeld, Lance J	Nitric Oxide And Circadian Organization	Columbia Univ New York Morningside	\$40,196
2 P30 MH030915-24	Kupfer, David J	MHIRC For The Study Of Mood And Anxiety Disorders	University Of Pittsburgh At Pittsburgh	\$2,251,272
1 R43 MH064344-01	Levendowski, Daniel J	Drowsiness Detection: Effects Of Feedback Based On EEG	Advanced Brain Monitoring, Inc.	\$99,991
5 R01 MH055703-05	Lewy, Alfred J	Phase Shifting Effects Of Melatonin In Winter Depression	Oregon Health & Science University	\$159,521
2 R01 MH056874-04A1	Lewy, Alfred J	Melatonin For Circadian Sleep Disorders In The Blind	Oregon Health & Science University	\$373,114
1 R03 MH062327-01A1	Li, Fuzhong	Tai Chi Training And Sleep Enhancement In The Elderly	Oregon Research Institute	\$80,139
5 T32 MH019929-08	Lisman, John E	Neuroscience: From Channels To Behavior	Brandeis University	\$184,980
1 K08 MH002012-01	Lopez, Faustino	Sleep Deprivation And 5-Ht Autoregulatory Processes	University Of California Los Angeles	\$162,130
1 R01 MH062602-01	Lucas, Jeffrey R	Integrating Energy Storage, Hippocampus And Hormones	Purdue University West Lafayette	\$244,339
5 R37 MH046742-12	Marder, Eve E	Intrinsic Plasticity In Oscillatory Neural Networks	Brandeis University	\$289,500
5 R01 MH059831-03	Margoliash, Daniel	Neurophysiology Of Sensorimotor Learning	University Of Chicago	\$321,407
5 R01 MH057434-03	Marks, Gerald A	Brainstem Mechanisms Of REM Sleep	University Of Texas Sw Med Ctr/Dallas	\$223,677
5 R01 MH060291-03	Mason, Peggy	Physiology Of Raphe Magnus Cells During Wake And Sleep	University Of Chicago	\$187,516
5 R01 MH058811-03	Max, Marianna	Adenovirus Mediated Regulation Of Pineal Photoresponses	Mount Sinai School Of Medicine Of Nyu	\$148,926
5 R37 MH039683-18	Mccarley, Robert W	Synaptic Basis Of Sleep Cycle Control	Harvard University (Medical School)	\$399,259
1 R01 MH062522-01	Mccarley, Robert W	Orexin And The Control Of Sleep And Wakefulness	Harvard University (Medical School)	\$260,790
5 R37 MH041788-14	Mccleintock, Martha K	Pheromones, Behavior And The Regulation Of Fertility	University Of Chicago	\$275,366
5 K01 MH001644-03	Mccurry, Susan M	Treating Neuropsychiatric Problems In Dementia	University Of Washington	\$115,878
5 R01 MH047480-10	Mcginty, Dennis J	Sleep Control By Thermosensitive Neurons	University Of California Los Angeles	\$220,500
5 R03 MH060794-02	Mcmahon, Douglas G	Transgenic Mouse Reporters Of Circadian Gene Expression	University Of Kentucky	\$72,458
1 R01 MH063341-01	Mcmahon, Douglas G	Molecular Physiology Of Circadian Pacemaking	University Of Kentucky	\$348,633
2 R37 MH046823-11A1	Mcnaughton, Bruce L	Hebb Marr Networks The Hippocampus And Spatial Memory	University Of Arizona	\$344,760
5 K24 MH001917-03	Mellman, Thomas A	Midcareer-Investigator Award In Patient-Oriented Research	Dartmouth College	\$102,233
2 R01 MH054006-05A1	Mellman, Thomas A	REM Sleep & Memory Processing During Development Of PTSD	Dartmouth College	\$339,758
5 R01 MH056647-05	Menaker, Michael	Circadian Oscillators In Cultured Mammalian Retina	University Of Virginia Charlottesville	\$258,687
1 R03 MH063959-01A1	Miller, Mark W	Circadian Effects On The Human Startle Reflex	Boston University	\$63,000

Grant No	PI	Title	Institution	Funding
1 Z01 MH000509-18	Mirsky, A F	Attention Disorders As Assessed By Event Related Brain P		\$190,177
1 R01 MH060413-01A2	Morin, Charles M	Behavioral And Pharmacological Treatment For Insomnia	Laval University	\$225,000
5 R01 MH042903-14	Morrison, Adrian R	Brainstem Mechanisms Of Alerting	University Of Pennsylvania	\$307,799
5 R01 MH060641-02	Mullington, Janet M	Chronic Sleep Restriction & Human Host Response	Beth Israel Deaconess Medical Center	\$272,571
5 R29 MH057157-04	Neylan, Thomas C	Sleep And Arousal Disturbances In PTSD	Northern California Institute Res & Educ	\$134,658
5 K01 MH001600-04	Nishino, Seiji	Pharmacological Studies Of Human And Canine Narcolepsy	Stanford University	\$112,158
5 K08 MH001414-05	Nofzinger, Eric A.	PET Studies Of REM/NREM Sleep In Mood Disorders	University Of Pittsburgh At Pittsburgh	\$139,498
1 R01 MH061566-01A1	Nofzinger, Eric A.	Sleep-Guided PET Studies In Depression	University Of Pittsburgh At Pittsburgh	\$375,000
5 R01 MH018343-31	Nottebohm, Fernando	The Biology Of Neuronal Replacement	Rockefeller University	\$416,540
1 F32 MH012956-01A1	Novak, Colleen M	Sleep And Melatonin In Diurnal And Nocturnal Rodents	Georgia State University	\$40,196
1 R01 MH064843-01	Opp, Mark R	Cytokine Neurotransmitter Interactions And Sleep	University Of Michigan At Ann Arbor	\$328,345
5 R0 1MH059919-02	Parry, Barbara L	Menopausal Depression: Chronobiologic Basis	University Of California San Diego	\$361,052
1 R01 MH059392-01A2	Perlis, Michael L	Beta EEG Activity In Insomnia	University Of Rochester	\$270,200
1 R01 MH062296-01A1	Pickard, Gary E	Retinal Neurons Afferent To The Circadian System	Colorado State University	\$340,000
5 R01 MH060670-02	Poe, Gina R	REM Sleep And Memory	Washington State University	\$186,171
1 F32 MH012875-01A1	Prendergast, Brian J	Neuroendocrine Regulation Of Biological Timing	Ohio State University	\$41,996
5 R29 MH056895-06	Price, Jeffrey L	Novel Circadian Mutant Of Drosophila	University Of Missouri Kansas City	\$102,466
1 F31 MH065054-01	Prichard, Jennifer R	Subcortical Visual System Development	University Of Wisconsin Madison	\$23,777
1 R01 MH062405-01	Provencio, Ignacio	Photic Regulation Of Circadian Rhythms	Henry M. Jackson Fdn For The Adv Mil/Med	\$296,400
1 F32 MH013023-01	Rattenborg, Niels C	Sleep And Prefrontal Cortex Asymmetry In Depression	University Of Wisconsin Madison	\$34,832
1 R01 MH062490-01A1	Rea, Michael A	Neurochemical Regulation Of Circadian Timing	University Of Houston-University Park	\$293,006
5 F31 MH011502-04	Reeder, Deeann M	Comparative Responses To Chronic Stress In Primates	University Of California Davis	\$19,430
2 T32 MH016804-21	Reynolds, Charles F.	Clinical Research Training In Psychiatry	University Of Pittsburgh At Pittsburgh	\$309,662
5 R01 MH037869-18	Reynolds, Charles F.	Geriatric Depression--Neurobiology Of Treatment	University Of Pittsburgh At Pittsburgh	\$651,350
1 R01 MH063968-01	Richardson, Gary S	Autonomic Dysregulation In Primary Insomnia	Case Western Reserve Univ-Henry Ford Hsc	\$321,750
1 N43 MH012041-01	Riley, William	Internet Site To Promote Empirically Based Practice	Personal Improvement Computer Systems	\$99,999
5 T32 MH015330-24	Ross, Christopher A	Interdisciplinary Training In Psychiatry & Neuroscience	Johns Hopkins University	\$173,023
5 R01 MH059338-03	Roth, Thomas D	Daytime Sleepiness--Prevalence, Consequences, And Risks	Case Western Reserve Univ-Henry Ford Hsc	\$392,464
1 Z01 MH002765-05	Rubinow, David	Reproductive Endocrine Related Mood Disorders		\$1,141,063
5 R01 MH060385-02	Ruby, Norman F	Circadian Rhythm Entrainment	Stanford University	\$197,311
5 P01 MH041712-15	Ryan, Neal D	Psychobiology Of Childhood Anxiety And Depression	University Of Pittsburgh At Pittsburgh	\$1,825,789
5 R01 MH061716-03	Sanford, Larry D	Phenotypical Expression Of Anxiety And Sleep	Eastern Virginia Med Sch/Med Col Hamp Rd	\$322,497
1 R01 MH064827-01	Sanford, Larry D	Limbic Modulation Of Arousal And Alerting	Eastern Virginia Med Sch/Med Col Hamp Rd	\$269,800
5 F30 MH012250-03	Sangoram, Ashvin M	Circadian Rhythms In Clock Knockout Mice	Northwestern University	\$32,517
5 R01 MH041138-14	Satinoff, Evelyn	Fever Responses And Their Regulation In Aged Rats	University Of Delaware	\$273,006
5 K08 MH001507-04	Scammell, Thomas E	Adenosine And The Preoptic Regulation Of Sleep	Beth Israel Deaconess Medical Center	\$157,508
1 R01 MH062589-01A1	Scammell, Thomas E	Circadian And Aminergic Regulation Of Orexin Neurons	Beth Israel Deaconess Medical Center	\$298,662
5 F32 MH012283-03	Schroeder, Andrew J	Mechanistic Studies Of A Circadian Output Element	Tufts University Boston	\$41,996
5 T32 MH020002-03	Sejnowski, Terrence J	Training Program In Cognitive Neuroscience	University Of California San Diego	\$287,791
1 F31 MH012934-01	Shiflett, Michael W	Behavioral And Neural Plasticity In Food-Storing Birds	Cornell University Ithaca	\$36,367
2 R01 MH055772-04A1	Shiromani, Priyattam J	Hypothalamic Regulation Of Sleep	Harvard University (Medical School)	\$315,000

Grant No	PI	Title	Institution	Funding
1 R01 MH064109-01	Siegel, Jerome M	Hypocretin Release In Disease States And Behavior	University Of California Los Angeles	\$305,916
5 K02 MH001621-05	Smith, Gwenn S	Monoaminergic Function In Geriatric Neuropsychiatry	Long Island Jewish Medical Center	\$103,679
1 F32 MH012986-01	Sperry, Todd S	Serotonin And Seasonal Territorial Aggression	University Of Washington	\$40,196
1 U01 MH061915-01A1	Takahashi, Joseph S	Mouse Mutagenesis: Phenotype-Driven Neuroscience Screens	Northwestern University	\$1,632,311
5 R01 MH042931-13	Terman, Michael	Light Therapy For Seasonal Affective Disorder	New York State Psychiatric Institute	\$327,363
5 K01 MH001798-02	Thakkar, Mahesh	Electrophysiology & Pharmacology Of Sleep-Wakefulness	Harvard University (Medical School)	\$93,809
1 R01 MH065135-01	Tononi, Giulio	Functional Changes Induced By Sleep Deprivation	University Of Wisconsin Madison	\$272,800
2 T32 MH018399-16	Turner, Eric E	Fellowship: Clinical Psychopharmacology & Psychobiology	University Of California San Diego	\$350,591
1 R21 MH065062-01	Vazquez, Delia M	Depression Risk, Infant-Mother Attachment And Cortisol	University Of Michigan At Ann Arbor	\$516,625
5 K02 MH001158-08	Vitiello, Michael V	Age Related Sleep Impairment--Possible Interventions	University Of Washington	\$117,612
1 Z01 MH002739-06	Wehr, Thomas A	Investigation Of Melatonin As A Chemical Cause Of Winter Depression		\$1,141,063
1 Z01 MH002772-04	Wehr, Thomas A	The Regulation Of Habitual Sleep Duration		\$570,531
5 R01 MH059943-03	Weitz, Charles J	Mammalian Per Gene Regulation By The Clock Protein	Harvard University (Medical School)	\$304,020
1 F32 MH063579-01	Wijnen, Herman	Output Of The Circadian Clock	Rockefeller University	\$34,832
1 R01 MH062119-01A1	Wohlgemuth, William K	Combined Behavioral/Pharmacological Therapy For Insomnia	Duke University	\$267,125
5 R01 MH059284-02	Yamuy, Jack	Neurotrophin Control Of REM Sleep	University Of California Los Angeles	\$191,198
1 R01 MH064104-01	Yehuda, Rachel	Relationship Between Bio And Psych Correlates Of PTSD	Mount Sinai School Of Medicine Of Nyu	\$189,382
2 R01 MH050030-04A1	Young, Elizabeth A	Stress And Reproductive Hormones In Depression	University Of Michigan At Ann Arbor	\$334,012
1 R13 MH062508-01	Young, Michael W	Conference On Molecular Clocks	Keystone Symposia	\$32,000
1 Z01 MH000422-30	Zatz, Martin	Neuropharmacology Of Circadian Rhythms		\$1,521,417
3 R01 MH061171-34S1	Zucker, Irving	Photoperiod, Behavior And Brain Function	University Of California Berkeley	\$15,753
5 R01 MH061171-34	Zucker, Irving	Photoperiod, Behavior And Brain Function	University Of California Berkeley	\$267,958
<b>NIMH Total</b>				<b>\$50,741,923</b>

#### NATIONAL INSTITUTE OF NEUROLOGICAL DISORDERS AND STROKE

Grant No	PI	Title	Institution	Funding
1 R01 NS40782-01	Allen, Charles N	Presynaptic Mechanisms In The Suprachiasmatic Nucleus	Oregon Health & Science University	\$297,767
5 R01 NS36607-04	Allen, Charles N	Cellular Electrophysiology Of The Suprachiasmatic Nuclei	Oregon Health & Science University	\$113,049
5 R01 NS24698-15	Aston-Jones, Gary S	Afferent Control Of Locus Coeruleus	University Of Pennsylvania	\$336,557
5 R01 NS14857-23	Berger, Albert J	Respiratory System Integration By The Brainstem	University Of Washington	\$235,840
1 R01 NS41971-01	Borjigin, Jimo	Molecular Dissection Of Melatonin Synthesis In Vivo	Carnegie Institution Of Washington, DC	\$80,750
5 R01 NS30528-07	Boulos, Ziad	Twilights And Circadian Entrainment	New York State Psychiatric Institute	\$101,895
2 R01 NS36590-04	Brainard, George C	Ocular Control Of Melatonin Regulation: Action Spectrum	Thomas Jefferson University	\$351,745
3 R01 NS36590-03S2	Brainard, George C	Ocular Control Of Melatonin Regulation--Action Spectrum	Thomas Jefferson University	\$50,000
1 F32 NS11134-01	Burgoon, Penny W	Neurotransmitter Regulation In The Circadian Clock	University Of Illinois Urbana-Champaign	\$41,996
5 P01 NS39546-02	Cassone, Vincent M	Coordination Of Circadian Physiology Of Diverse Species	Texas A&M University System	\$488,939
2 R01 NS09999-26	Chase, Michael H	State Dependent Control Of Motoneuron Activity	University Of California Los Angeles	\$300,727
5 K02 NS02009-05	Chervin, Ronald D	Primary Sleep Disorders In Hyperactive Children	University Of Michigan At Ann Arbor	\$105,300
1 R01 NS41886-01	Czeisler, Charles A	Circadian Adaptation To Non-24-Hour Sleep-Wake Schedules	Brigham And Women's Hospital	\$317,500

Grant No	PI	Title	Institution	Funding
1 R01 NS40982-01A1	Czeisler, Charles A	After-Effects Of Entrainment On Human Circadian Period	Brigham And Women's Hospital	\$317,500
2 R01 NS34004-07A1	Datta, Subimal	Mechanisms Underlying The Cognitive Function Of Sleep	Boston University	\$351,000
5 U54 NS41069-02	Duffy, Lawrence	Alaskan Basic Neuroscience Program	University Of Alaska Fairbanks	\$155,962
3 U54 NS41069-01S1	Duffy, Lawrence	Alaskan Basic Neuroscience Program	University Of Alaska Fairbanks	\$4,430
5 R01 NS38704-03	Earley, Christopher J	Dopaminergic Function In Restless Legs Syndrome	Johns Hopkins University	\$309,824
5 R01 NS34958-07	Ederly, Isaac	Clock Mechanism Underlying Rhythmic Behavior	Rutgers The St Univ Of NJ New Brunswick	\$335,840
1 R01 NS42088-01	Ederly, Isaac	Seasonal Adaptation Of A Circadian Clock	Rutgers The St Univ Of NJ New Brunswick	\$263,245
5 R01 NS38733-03	Everson, Carol A	Neuroendocrine Abnormalities Induced By Sleep Deprivation	Medical College Of Wisconsin	\$192,934
5 R01 NS24742-13	Feldman, Jack L	Transmission Of Respiratory Drive To Motoneurons	University Of California Los Angeles	\$35,686
3 R01 NS24742-13S1	Feldman, Jack L	Transmission Of Respiratory Drive To Motoneurons	University Of California Los Angeles	\$6,120
2 P01 NS15655-21A1	Frey, Kirk A	PET Study Of Biochemistry And Metabolism Of The CNS	University Of Michigan At Ann Arbor	\$629,955
5 R01 NS20246-16	Garcia-Rill, Edgar E	Central Modulation Of Locomotor Rhythms	University Of Arkansas Med Scis Ltl Rock	\$201,918
5 N44 NS02394-00	Gevens, Alan,	Sustained Assessment Of Alertness In Patients W/Sleep Disorders	Sam Technology, Inc.	\$262,555
2 R01 NS22155-15A1	Gillette, Martha U	Physiological Substrates Of A Circadian Oscillator	University Of Illinois Urbana-Champaign	\$377,755
2 R01 NS35859-05	Gillette, Martha U	Cholinergic Regulation Of The Circadian Clock	University Of Illinois Urbana-Champaign	\$289,587
2 R01 NS35229-05A1	Glass, John D	Neurologic Regulation Of The SCN Circadian Clock	Kent State University At Kent	\$311,602
2 N44NS12309-00	Greeley, Harold,	Alertness Monitoring Device	Creare, Inc.	\$462,556
5Z01NS02667-17	Hallett, Mark	Physiological Analysis Of Involuntary Movements	NINDS	\$272,807
5 U54 NS39407-03	Haxhiu, Musa A	Neuronal And Chemical Control Of Breathing An Airways Fu	Howard University	\$530,776
1 R41 NS40634-01	Hobson, J A	Eye Opener: A Vehicle Operator Vigilance Monitor System	Sleep-Wake Systems, Inc. (SWS)	\$25,000
5 N44NS02366-00	Jewett, Don,	Attention In Evoked Responses At High-Repetition Rates	Abratech Corporation	\$572,529
1 F31NS42406-01	Jobst, Erin E	Neurophysiology Of Calbindin Neurons In The SCN	Oregon Health & Science University	\$28,277
5 F32 NS10877-02	Kohlmeier, Kristi A	Ca Dynamics In Nitric Oxide Synthase-Containing Neurons	New York Medical College	\$4,377
5 R01 NS27250-14	Krueger, James M	Sleep Regulation--The Involvement Of GHRH	Washington State University	\$269,463
2 R01 NS31453-09	Krueger, James M	Sleep Regulation And Tumor Necrosis Factor	Washington State University	\$362,500
3 R01 NS25378-15S2	Krueger, James M	Interleukin 1--A Promoter Of Slow Wave Sleep	Washington State University	\$29,223
5 R01 NS25378-16	Krueger, James M	Interleukin 1--A Promoter Of Slow Wave Sleep	Washington State University	\$322,803
5 R01 NS37917-04	Lee, Cheng C	Molecular Role Of Rigi In Mammalian Circadian Pathway	Baylor College Of Medicine	\$227,842
1 R01 NS38523-01A2	Longstreth, W T	Epidemiology Of Narcolepsy	University Of Washington	\$514,849
1 R41 NS40590-01A1	Maki, Richard A	Hypocretins And Their Role In The Control Of Sleep	Neurocrine Biosciences, Inc.	\$117,853
5 K02 NS02099-03	Malow, Beth A	Facilitation Of Epileptic Activity By Sleep And Arousal	University Of Michigan At Ann Arbor	\$132,300
5 U54 NS39409-03	Martinez, Joe L	Experience-Dependent Structural Plasticity In CNS	University Of Texas San Antonio	\$55,006
3 U54 NS39409-02S2	Martinez, Joe L	Experience-Dependent Structural Plasticity In CNS	University Of Texas San Antonio	\$2,223
3 U54 NS39409-02S3	Martinez, Joe L	Experience-Dependent Structural Plasticity In CNS	University Of Texas San Antonio	\$3,062
5 F32 NS11017-02	Mcneil, Gerard P	Molecular Analysis Of The Lark Clock Output Element	Tufts University Boston	\$20,998
5 R37 NS33797-08	Mignot, Emmanuel J	Molecular Genetics Of Human Narcolepsy	Stanford University	\$381,211
5 P50 NS23724-15	Mignot, Emmanuel J	Center For Narcolepsy And Related Disorder	Stanford University	\$1,224,151
6 R44 NS37636-02	Minasyan, Georgiy R	Definition And Detection Of Clinical EEG Features	Astro-Med, Inc.	\$306,505
1 F32 NS11158-01A1	Mitchell, Jennifer W	Cellular Organization Of The Circadian Light Response	University Of Illinois Urbana-Champaign	\$34,832
5 R01 NS37571-03	Mitler, Merrill M	Narcolepsy--Multicenter Genetic And Family Study	Scripps Research Institute	\$742,502
5 R01 NS22168-16	Morin, Lawrence P	Behavior, Biological Rhythms And Brain	State University New York Stony Brook	\$301,757

Grant No	PI	Title	Institution	Funding
5 R01 NS38050-02	Mueller, Gregory P	Fatty Acid And Peptide Amidation--A Shared Mechansim	Henry M. Jackson Fdn For The Adv Mil/Med	\$222,750
5 F31 NS41857-02	Paul, Ketema N	Minority Predoctoral	Georgia State University	\$33,075
5 R01 NS35615-05	Pickard, Gary E	5ht Presynaptic Inhibition Of Retinal Input To The SCN	Colorado State University	\$362,500
5 R01 NS39303-02	Reppert, Steven M	Circadian Clock Mechanism In The SCN	Massachusetts General Hospital	\$78,790
5 R01 NS32624-08	Rivkees, Scott A	Developing Circadian Rhythmicity	Yale University	\$375,375
5 R01 NS37754-03	Rouleau, Guy A	Etiology Of Restless Leg Syndrome, A Sleep Disorder	Montreal General Hospital	\$167,736
5 R01 NS36697-03	Rye, David B	Brainstem Substrates Of Dopamine Modulated Movements	Emory University	\$10,093
5 R01 NS40221-03	Rye, David B	Sleep/Dopamine Phenotypes In Genetically Distinct Mice	Emory University	\$28,429
5 R01 NS36694-04	Sanford, Larry D	Neurobiological Effects Of Altered Motor Control In REM	Eastern Virginia Med Sch/Med Col Hamp Rd	\$186,333
5 N44 NS02393-00	Savage, Henry Jr.,	Enhancing The Effectiveness Of Light Therapy For Insomnia	Apollo Light Systems, Inc.	\$325,168
1 R01 NS40788-01	Schwartz, William J	Hypothalamic Reconstruction Using Neural Precursor Cells	University Of Massachusetts Medical Sch	\$58,418
2 R01 NS31720-06A2	Shaffery, James P	Brain Maturation: Function For Rapid Eye-Movement Sleep	University Of Mississippi Medical Center	\$61,920
5 R01 NS30140-10	Shiromani, Priyattam J	Brain Mechanisms In Sleep And Narcolepsy	Harvard University (Medical School)	\$204,755
5 R37 NS14610-22	Siegel, Jerome M	Immunological Factors In Narcolepsy	University Of California Los Angeles	\$348,280
5 R01 NS37919-04	Silver, Rae	Physiological Dissection Of The SCN	Barnard College	\$100,643
1 R21 NS41921-01	Soja, Peter J	Excitability Of Lumbar Afferent Terminals During Sleep	University Of British Columbia	\$125,000
5 R01 NS37056-04	Storm, Daniel R	Regulation Of Pineal And Retina Melatonin Biosynthesis	University Of Washington	\$209,986
5 R01 NS30914-08	Tepley, Norman	Development Of Low Frequency Meg Hardware And Software	Case Western Reserve Univ-Henry Ford HSC	\$102,814
5 S11 NS38483-03	Tosini, Gianluca	Plasticity Of Mammalian Circadian Axis	Morehouse School Of Medicine	\$309,488
5 R01 NS40220-04	Toth, Linda A	Murine Sleep Phenotype During Microbial Infections	Southern Illinois University Carbondale	\$218,636
5 R01 NS40254-02	Yellon, Steven M	Neuroendocrine/Immune Interactions: Role Of Melatonin	Loma Linda University	\$259,717
<b>NINDS TOTAL</b>				<b>\$17,603,286</b>

#### NATIONAL INSTITUTE OF NURSING RESEARCH

Grant No	PI	Title	Institution	Funding
1 F31 NR007844-01	Carno, Margaret-Ann	Impact Of Changes In Circadian Rhythms In Pediatrics ICU	University Of Pittsburgh At Pittsburgh	\$22,355
5 R01 NR004281-06	Dinges, David	Neurobehavioral Effects Of Partial Sleep Deprivation	University Of Pennsylvania	\$403,865
5 R01 NR002968-07	Dowling, Glenna	Management Of Sleep-Activity Disruption In Alzheimers	Goldman Institute On Aging	\$212,271
5 R01 NR007677-02	Eastman, Charmane	Reducing Jet-Lag With Practical Circadian Treatments	Rush-Presbyterian-St Lukes Medical Ctr	\$286,000
5 R29 NR004951-04	Epstein, Dana	Behavioral Intervention For Insomnia In Older Adults	U.S. Carl T. Hayden Vet Affairs Med Ctr	\$71,548
5 R01 NR003880-05	Floyd, Judith	Aging-Related Sleep Changes: A Meta-Analysis	Wayne State University	\$201,150
5 R01 NR001094-14	Heitkemper, Margaret	A Nursing Study Of Gut Function In Menstruating Women	University Of Washington	\$384,008
5 F31 NR007262-05	Johnson, Margo	Neurofeedback Intervention For Insomnia Of Chronic Pain	University Of Washington	\$24,646
1 P20 NR007812-01	Larson, Janet	Center For Research On Cardiovascular/Respiratory Health	University Of Illinois At Chicago	\$233,805
2 T32 NR007088-06	Lee, Kathryn	Nursing Research Training In Symptom Management	University Of California San Francisco	\$375,833
1 R01 NR005345-01	Lee, Kathryn	Sleep Disruption In New Parents: An Intervention Trial	University Of California San Francisco	\$299,688
3 R01 NR005345-01S1	Lee, Kathryn	Sleep Disruption In New Parents: An Intervention Trial	University Of California San Francisco	\$34,202
5 R01 NR004926-02	Ludington, Susan	Preterm Skin Contact Effects On Electrophysiologic Sleep	University Of Maryland Balt Prof School	\$346,407
5 R01 NR004959-02	Merritt, Sharon	Pupillometric Sleepiness In Treated Sleep Disorders	University Of Illinois At Chicago	\$377,541

Grant No	PI	Title	Institution	Funding
5 R01 NR004835-03	Miaskowski, Christine	Fatigue, Pain, And Sleep Problems During Radiation	University Of California San Francisco	\$369,308
5 T32 HL007953-02	Pack, Allan	Training In Sleep And Sleep Disorders	University Of Pennsylvania	\$100,000
1 P20 NR007798-01	Parker, Kathy	Symptoms, Symptoms Interactions, And Health Outcome	Emory University	\$222,768
5 K01 NR000145-02	Phillips, Kenneth	Psychoneuroimmunological Correlates Of Sleep In HIV	University Of South Carolina At Columbia	\$86,003
5 R01 NR004191-05	Rogers, Ann	Management Of Excessive Daytime Sleepiness In Narcolepsy	University Of Pennsylvania	\$362,896
1 R01 NR005075-01A1	Sidani, Souraya	Alternative Methods For Clinical Research	University Of Toronto	\$327,813
5 R01 NR004828-02	Smith, Carol	Rural Dwelling Older Adults: CPAP Adherence Support	University Of Kansas Medical Center	\$502,203
1 F31 NR007946-01	Strange, Laura	Sleep Patterns Of Women At Risk For Preterm Labor	Emory University	\$43,943
1 K01 NR007649-01	Thomas, Karen	Maternal Entrainment Of Infant Circadian Rhythm	University Of Washington	\$86,306
1 R15 NR007731-01	Walden, Marlene	Environment And Sleep On Preterm Infant Pain Response	University Of Texas Medical Br Galveston	\$0
<b>NINR TOTAL</b>				<b>\$5,374,559</b>

#### NATIONAL CENTER FOR RESEARCH RESOURCES

Grant No	PI	Title	Institution	Funding
5 M01 RR00073-39	Badar, Tehmina	Characterization Of Sleep In Closed Head Injury	University Of Texas Medical Br Galveston	\$5,969
5 M01 RR03186-16	Benca, Ruth M	Prefrontal Activation Asymmetry & REM Sleep Expression In Depression	University Of Wisconsin Madison	\$4,711
5 M01 RR00048-40	Blei, Andres T	Phototherapy For Disturbed Sleep In Cirrhotic Patients	Northwestern University	\$4,992
5 P20 RR11091-07	Boychuk, Rodney B	Tongue Thrusting, Mouth Breathing, Oral & Dental Abnormal To Sleep	University Of Hawaii At Manoa	\$26,989
2 M01 RR00042-41	Brower, Kirk J	Gabapentin Tx Of Alcohol & Sleep Problems	University Of Michigan At Ann Arbor	\$18,244
5 M01 RR10732-07	Brown, Frederick	Psychoneuroendocrine Aspects Of Partial Sleep Loss	Pennsylvania State Univ Hershey Med Ctr	\$5,843
5 M01 RR00056-40	Buysse, Daniel	Circadian & Electrophysiological Studies Of Sleep Onset In Depression	University Of Pittsburgh At Pittsburgh	\$14,883
5 M01 RR00056-40	Buysse, Daniel	PET Studies Of Sleep Onset Interval In Depressed Patients	University Of Pittsburgh At Pittsburgh	\$35,718
5 M01 RR00056-40	Buysse, Daniel	Circadian Patterns Of Sleep Tendency In Elderly	University Of Pittsburgh At Pittsburgh	\$54,570
5 M01 RR00056-40	Buysse, Daniel	Neurobiology & Tx Response In Insomnia	University Of Pittsburgh At Pittsburgh	\$8,930
5 M01 RR08084-08	Cavallo, Anita	Melatonin & Placebo Tx For Shift Work	Childrens Hospital Med Ctr (Cincinnati)	\$15,887
5 M01 RR08084-08	Cavallo, Anita	Melatonin For Disordered Sleep Rhythm In Blind Children	Childrens Hospital Med Ctr (Cincinnati)	\$105
2 M01 RR00042-41	Chervin, Ronald D	Primary Sleep Disorders In Hyperactive Children	University Of Michigan At Ann Arbor	\$14,928
2 M01 RR00042-41	Chervin, Ronald D	Behavioral Effects Of Obstructive Sleep Apnea In Children	University Of Michigan At Ann Arbor	\$28,424
5 M01 RR00095-41	Cohen, Jonathan	Effect Of Fundoplication On Sleep Architecture & Nocturnal Gastroesophageal	Vanderbilt University	\$40,632
5 M01 RR02635-17	Cohen, Richard	Effects Of Disruptive Sleep On Hormonal & Renal Response To Posture	Brigham And Womens Hospital	\$613,579
5 M01 RR10732-07	Craig, Timothy	Nasal Antihistamines On Perennial Rhinitis Induced Sleep Disturbance	Pennsylvania State Univ Hershey Med Ctr	\$12,464
5 M01 RR00865-28	Cummings, Jeffrey	Multicenter, Placebo Controlled Trial: Melatonin For Sleep Disturbance	University Of California Los Angeles	\$263
5 M01 RR02635-17	Czeisler, Charles	Phototherapy Tx Of Shift Rotation Insomnia	Brigham And Womens Hospital	\$59,598
5 M01 RR02635-17	Czeisler, Charles	Clinical: Light Pulses On Circadian Entrainment	Brigham And Womens Hospital	\$332,616
5 M01 RR02635-17	Czeisler, Charles	Circadian Phase Estimation After Schedule vs Unscheduled Routine	Brigham And Womens Hospital	\$50,517
5 M01 RR00827-27	Dimsdale, Joel	Sleep Apnea & Hypertension: Role Of Sympathetic Nervous System	University Of California San Diego	\$123,364
5 M01 RR00040-41	Dinges, David	Neurobehavioral Effects Of Partial Sleep Deprivation	University Of Pennsylvania	\$208,531
5 M01 RR00040-41	Dinges, David	Cumulative Partial Sleep Deprivation During Space Flight	University Of Pennsylvania	\$588,278
5 M01 RR00079-38	Dowling, Glenna	Circadian Functioning In Parkinsons Disease	University Of California San Francisco	\$19,625

Grant No	PI	Title	Institution	Funding
5 M01 RR00051-40	Eckel, Robert H	Effects Of Maintained Weight Loss In Severely Obese Humans On Sleep Dynamics	University Of Colorado Hlth Sciences Ctr	\$176,149
5 M01 RR00645-30	Fischman, Marian	Drug Abuse, Cognition, & Sleep	Columbia University Health Sciences	\$50,477
5 M01 RR00585-30	Gay, Peter C	Ventilatory Response During Sleep In Patients w/Stable Chronic Obstructive P	Mayo Clinic Rochester	\$937
5 M01 RR00827-27	Gillin, J Christia	Sleep Physiology In Normal, Neuropsychiatric & Medical Patients	University Of California San Diego	\$60,276
5 M01 RR00827-27	Gillin, J Christia	Effect Of Tryptophan Free Drink On Mood & Sleep In Depression	University Of California San Diego	\$804
5 M01 RR00827-27	Gillin, J Christia	Effect Of Tryptophan Free Amino Acid Drink On Mood & Sleep	University Of California San Diego	\$26,521
5 M01 RR00827-27	Gillin, J Christia	Sleep Regulation In Depression: Effect Of Selective REM Sleep Suppression	University Of California San Diego	\$7,233
5 M01 RR00827-27	Gillin, J Christia	Mood, Serotonin, Sleep & Markers In Families W/ Recurrent Mood Disorders	University Of California San Diego	\$2,411
5 M01 RR00827-27	Gillin, J Christia	Visual Discrimination: Effects Of Sleep Architecture & EEG Measures	University Of California San Diego	\$402
2 M01 RR00042-41	Gilman, Sid	Neurochemical & Sleep Disorders In Multiple System Atrophy	University Of Michigan At Ann Arbor	\$17,415
5 M01 RR02635-17	Gordon, Michael	Disrupted Sleep In Elderly: Circadian Etiology	Brigham And Womens Hospital	\$37,462
5 M01 RR00533-33	Gottlieb, Daniel J	Neurobehavioral Consequences Of Sleep Apnea In Children	Boston University	\$56,818
5 K23 RR16068-02	Gurubhagavatula, Ind	Compare Screening Tools For Obstructive Sleep Apnea In Hypertension Pts	University Of Pennsylvania	\$129,347
5 M01 RR00056-40	Hall, Martica	Sleep As Mediator Of Thestress Health Relationship	University Of Pittsburgh At Pittsburgh	\$66,476
5 U54 NS39407-03	Haxhiu, Musa	Central Determinants Of Airway Instability During Sleep	Howard University	\$132,163
5 M01 RR03186-16	Hla, Khin Mae	Prevalence Of Sleep Apnea In Primary Care Clinic Population	University Of Wisconsin Madison	\$17,665
5 M01 RR02635-17	Hughes, Rod	Effects Of Exercise On Resetting Endogenous Circadian Pacemaker	Brigham And Womens Hospital	\$153,253
5 M01 RR00827-27	Irwin, Michael R	EEG Sleep & Immunity In Neuropsychiatric Patients	University Of California San Diego	\$107,290
5 M01 RR00048-40	Kadish, Alan	Circadian & Gender Differences In Qt Interval	Northwestern University	\$45,756
5 P51 RR00167-41	Kalin, Ned H	Amygdala & Primate Sleep	University Of Wisconsin Madison	\$115,193
5 M01 RR06022-12	Kass, Lewis	Respiratory Disorders Of Sleep In Children	Yale University	\$195,171
5 M01 RR00056-40	Keshavan, Matcheri	EEG Sleep, Cortical Abnormalities & Neurodev In Psychosis	University Of Pittsburgh At Pittsburgh	\$16,867
5 M01 RR00056-40	Keshavan, Matcheri	Effect Of Olanzapine On Delta Sleep Deficits In Schizophrenia	University Of Pittsburgh At Pittsburgh	\$3,969
5 M01 RR00043-41	Khoo, Michael	Cardiorespiratory Transfer In Obstructive Sleep Apnea	University Of Southern California	\$54,427
5 M01 RR02635-17	Klerman, Elizabeth	Circadian Rhythms In Blind Persons	Brigham And Womens Hospital	\$8,514
5 M01 RR02635-17	Klerman, Elizabeth	Homeostatic Sleep Regulation In Older People	Brigham And Womens Hospital	\$283,234
2 M01 RR00833-27	Kline, Lawrence E	Therapeutic Trial Tx Of Obstructive Sleep Apnea	Scripps Research Institute	\$45,370
5 M01 RR00585-30	Krahn, Lois	Sleep Wake Rhythms In Patient Having Undergone Pinealectomy: Sleep Studies	Mayo Clinic Rochester	\$1,874
5 M01 RR00827-27	Kripke, Daniel F	Verification Of Circadian Abnormalities In Aging	University Of California San Diego	\$3,617
5 M01 RR00046-41	Labyak, Susan E	Sleep & Daytime Sleepiness In Children W/ Juvenile Rheumatoid Arthritis	University Of North Carolina Chapel Hill	\$4,497
5 M01RR00046-41	Labyak, Susan E	Sleep Patterns In Children W/ Juvenile Rheumatoid Arthritis	University Of North Carolina Chapel Hill	\$1,635
5 M01 RR10732-07	Leuenberger, Urs A	Alteration Of Sympathetic ACT & BP By CPAP In Sleep Apnea Patients	Pennsylvania State Univ Hershey Med Ctr	\$3,116
5 M01 RR10732-07	Leuenberger, Urs A	Effects Of Sleep Deprivation On Sympathetic Nerve Activity	Pennsylvania State Univ Hershey Med Ctr	\$7,011
5 M01 RR00052-40	Loughlin, Gerald M	Night To Night Variability Of Polysomnography In Children W/	Johns Hopkins University	\$3,793
5 P51 RR00168-40	Madras, Bertha K	Methylphenidate Modulates Activity & Induces Sleep Disturbances	Harvard University (Medical School)	\$12,750
2 M01 RR00042-41	Malow, Beth A	Activation Of Epileptic Cortex By Sleep	University Of Michigan At Ann Arbor	\$6,220
2 M01 RR00042-41	Malow, Beth A	Sleep Disorders Associated W/ Epilepsy	University Of Michigan At Ann Arbor	\$13,684
5 K23 RR15545-02	Mansoor, George A	Circadian Blood Pressure Profile: Sleep Quality & Hypertensive Organ Damage	University Of Connecticut Sch Of Med/Dnt	\$127,298
5 M01 RR00052-40	Marcus, Carole L	Arousal Threshold To Auditory Stimulation In Children W/ OSA	Johns Hopkins University	\$1,996

Grant No	PI	Title	Institution	Funding
5 M01 RR00052-40	Marcus, Carole L	Sleep Disordered Breathing In Children W/ Marfans Syndrome	Johns Hopkins University	\$200
5 M01 RR00052-40	Marcus, Carole L	Non Invasive Measures Of Flow Limitation In Children W/ Sleep Disordered	Johns Hopkins University	\$4,591
5 M01 RR01032-26	Matheson, Jean	Influence Of Sleep On Activation Of Complement In Normal Subjects	Beth Israel Deaconess Medical Center	\$12,888
2 M01 RR00833-27	Mittler, Merrill M	Therapy For Cognitive Loss In Viral Infection: Fatigue & Sleep Abnormality: HIV	Scripps Research Institute	\$46,804
5 M01 RR00037-41	Moe, Karen	Sleep In Older Women: Effects Of Estrogen	University Of Washington	\$138,217
5 M01 RR00056-40	Monk, Timothy	Sleeping Short: Circadian & Sleep Characteristics	University Of Pittsburgh At Pittsburgh	\$12,898
5 G12 RR08124-09	Moss, Donald	Neurological & Metabolic Disorders: Stroke, Rem Sleep, Obesity & Type II Diab	University Of Texas El Paso	\$141,252
5 M01 RR00047-41	Murphy, Patricia J	Sex Hormones, Sleep & Circadian Rhythmicity In Aging	Weill Medical College Of Cornell Univ	\$6,562
5 M01 RR00079-38	Neylan, Thomas C	Sleep & Hypothalamic Pituitary Adrenal Function In PTSD	University Of California San Francisco	\$4,529
5 M01 RR00056-40	Nofzinger, Eric	PET Studies Of REM & NREM Sleep In Mood Disorders	University Of Pittsburgh At Pittsburgh	\$3,969
5 M01 RR00056-40	Nofzinger, Eric	Effects Of Wellbutrin Sr Anterior Paralimbic REM Activation Axis I Depress	University Of Pittsburgh At Pittsburgh	\$3,969
5 M01 RR00056-40	Nofzinger, Eric	PET Studies Of Sleep In Insomnia	University Of Pittsburgh At Pittsburgh	\$7,937
5 M01 RR00056-40	Nofzinger, Eric	Effects Of Aging On Sleep: Functional Neuroanatomic Perspective	University Of Pittsburgh At Pittsburgh	\$2,977
5 M01 RR00040-41	Pack, Allan I	Case Control: Insomnia In Non Depressed Elderly	University Of Pennsylvania	\$67,060
5 M01 RR00040-41	Pack, Allan I	Tx For Sleep Apnea In Elderly	University Of Pennsylvania	\$17,992
5 M01 RR00039-41	Parker, Kathy P	Cool Dialysate On Sleep & Sleep Propensity In Patients W/ Chronic Hemodialysis	Emory University	\$45,422
5 M01 RR00059-40	Phillips, Bradley G	Sleep Deprivation & Sympathetic Nerve Responses	University Of Iowa	\$22,370
2 M01 RR00833-27	Poceta, Steven J	Sleep & Alertness In Parkinsons & RLS	Scripps Research Institute	\$12,541
5 M01 RR00096-40	Rapoport, David	Computer Controlled Nasal CPAP For Obstructive Sleep Apnea Syndrome	New York University School Of Medicine	\$119,579
5 P41 RR03655-16	Redline, Susan	Genetic Analyses Of Obstructive Sleep Apnea	Case Western Reserve University	\$3,135
5 M01 RR00080-39	Redline, Susan S	Epidemiology Of Sleep Disordered Breathing In Children	Case Western Reserve University	\$42,271
5 M01 RR00056-40	Reynolds Iii, Charle	Paroxetine In Tx Of Chronic Primary Insomnia	University Of Pittsburgh At Pittsburgh	\$31,750
5 M01 RR14288-03	Richards, Kathleen C	Effects Of Activity On Sleep	University Of Arkansas Med Scis Ltl Rock	\$61,830
5 M01 RR00334-35	Sack, Robert L	Melatonin For Circadian Sleep Disorders In Blind	Oregon Health & Science University	\$87,508
5 M01 RR00334-35	Sack, Robert L	Minimal Effective Melatonin Dose For Circadian Entrainment In Blind People	Oregon Health & Science University	\$157,789
5 M01 RR00080-39	Scher, Mark	Sleep & Outcome In High Risk Infants	Case Western Reserve University	\$17,222
5 M01 RR02635-17	Shea, Steven	Circadian & Sleep & Wake Aspects Of Nocturnal Asthma	Brigham And Womens Hospital	\$22,137
5 M01 RR00188-37	Shearer, William T	Nocturnal Asthma, Chronobiology & Sleep	Baylor College Of Medicine	\$13,445
5 M01 RR00334-35	Singer, Clifford M	Comparison Of Wrist Actigraphy W/ Polysomnography As An Instrument Of Sleep	Oregon Health & Science University	\$22,738
5 M01 RR00334-35	Singer, Clifford M	Melatonin For Sleep Disorders In Parkinsons Disease	Oregon Health & Science University	\$33,074
5 P41 RR01861-17	Skatrud, James B	Cardiorespiratory & Autonomic Responses To Arousal From Sleep	University Of Southern California	\$16,541
5 M01 RR03186-16	Skatrud, James B	Chemical Influences On Breathing Instability During Sleep	University Of Wisconsin Madison	\$5,888
2 M01 RR00044-40	Smith, Michael	EEG & Spect Measures Of Cns Activity In Chronic Insomnia	University Of Rochester	\$7,177
5 M01 RR00585-30	Somers, Virend	Cardiovascular Disease Mechanisms In Sleep Apnea	Mayo Clinic Rochester	\$2,811
5 M01 RR00585-30	Somers, Virend	Genetic Background Of Cardiovascular & Sleep Disorders In Humans	Mayo Clinic Rochester	\$40,604
2 M01 RR00847-28	Suratt, Paul M	Sleep Apnea In Children	University Of Virginia Charlottesville	\$106,349
5 M01 RR00032-41	Umlauf, Mary G	Nocturnal Urine Production Sleep Related	University Of Alabama At Birmingham	\$5,435
5 M01 RR00211-36	Van Brunt, David	Sleep Deprivation & Recovery Sleep In Ventilation Weaning Unit	University Of Tennessee Health Sci Ctr	\$7,117
2 M01 RR00055-40	Van Cauter, Eve	Disorders Of Sleep Wake Regulation In Adult Patients W/ Gh Deficiency	University Of Chicago	\$25,761

Grant No	PI	Title	Institution	Funding
2 M01 RR00055-40	Van Cauter, Eve	Phase Shifting Effects Of Light & Activity On Human Circadian Clock	University Of Chicago	\$25,761
2 M01 RR00055-40	Van Cauter, Eve	Sleep & Circadian Rhythmicity In Glucose Regulation	University Of Chicago	\$375,684
2 M01 RR00055-40	Van Cauter, Eve	Endocrine, Metabolic, & Cognitive Functions In Short & Long Sleepers	University Of Chicago	\$12,881
5 M01 RR00040-41	Van Dongen, Hans	Predicting Vulnerability To Performance Impairment From Sleep Loss	University Of Pennsylvania	\$11,449
5 M01 RR10732-07	Vgontzas, Alexandros	Effects Of Partial Sleep Deprivation On Sleepiness & Cytokine Secretions	Pennsylvania State Univ Hershey Med Ctr	\$13,633
5 M01 RR00037-41	Vitiello, Michael	Growth Factors, Sleep & Cognition	University Of Washington	\$153,615
5 M01 RR02635-17	White, David P	Influence Of Sleep & Gender Related Hormones On Control Of Pharyngeal	Brigham And Womens Hospital	\$22,704
5 M01 RR02635-17	White, David P	Aging & Sleep Apnea	Brigham And Womens Hospital	\$2,270
5 M01 RR02635-17	White, David P	Obesity, Weight Loss & Sleep Effect On Pharyngeal Airway Anatomy & Function	Brigham And Womens Hospital	\$5,676
5 M01 RR02635-17	White, David P	Polycystic Ovary Syndrome & Sleep Disordered Breathing	Brigham And Womens Hospital	\$1,703
5 M01 RR02635-17	White, David P	Obesity, Weight Loss & Sleep: Effects On Pharyngeal Airway Anatomy & Function	Brigham And Womens Hospital	\$19,866
5 M01 RR02635-17	White, David P	Upper Airway Muscles & Sleep: Response To Loading	Brigham And Womens Hospital	\$17,596
5 M01 RR02635-17	Wright, Kenneth	Effect Of Modafinil On Wakefulness & Sleep	Brigham And Womens Hospital	\$301,397
5 M01 RR00070-39	Yesavage, Jerome A	Txs For Insomnia	Stanford University	\$16,146
5 M01 RR03186-16	Young, Terry B	Epidemiology Of Sleep Disordered Breathing	University Of Wisconsin Madison	\$299,703
5 M01 RR00048-40	Zee, Phyllis	Sleep & Wake Rhythms In Aging: Responsiveness Of Clock To Light	Northwestern University	\$138,515
5 M01 RR00048-40	Zee, Phyllis	Low Intensity Exercise At Night To Phase Delay Circadian Rhythms	Northwestern University	\$103,574
<b>NCRR TOTAL</b>				<b>\$7,193,263</b>

#### NATIONAL CENTER FOR COMPLEMENTARY AND ALTERNATIVE MEDICINE

Grant No	PI	Title	Institution	Funding
5 R01 AT00611-02	Bliwise, Donald L	Polysomnographic Assessments Of Alternative Treatments For Sleep Disturbance In PD	Emory University	\$83,195
1 R21 AT00266-01A1	Khalsa, Sat Bir S	Yoga As Treatment For Insomnia	Brigham And Womens Hospital	\$94,174
<b>NCCAM TOTAL</b>				<b>\$177,369</b>

#### NATIONAL HUMAN GENOME RESEARCH INSTITUTE

Grant No	PI	Title	Institution	Funding
Z01 HG 00114-05	Smith, Ann	Natural History and Pathophysiology of Smith-Magenis Syndrome		\$599,000
<b>NHGRI TOTAL</b>				<b>\$599,000</b>

**NIH TOTAL \$145,084,424**